

**M.Sc. FOOTWEAR TECHNOLOGY
(MSCFWT)**

Term-End Examination

December, 2013

MFW-037 : FINISHING

Time : 3 hours

Maximum Marks : 70

- Note :**
- (i) *Attempt any seven questions.*
 - (ii) *All questions carry equal marks.*
 - (iii) *Standard symbols and acronyms have usual meaning.*

1. A shoe is made up of cow full grain pigmented finish leather coating costing ₹.95/- square foot. A buyer has given specifications for medium gloss and good feels. Suggest the system of finishing using Meltonian product. **10**
2. Describe any four types of repairing system in brief. **10**
3. Describe any five faults of shoe finishing mentioning their causes and remedies in brief. **10**
4. Write the characteristics of leathers given below. **10**
Establish finishing system based on the characteristics on any one.
 - (a) Cow hair cell printed
 - (b) Buff burnished
 - (c) Cow smooth
 - (d) Sheep Napa
 - (e) Zug grain leather

5. Write short notes on : 4x2.5=10
- (a) Soft cream
 - (b) Heavy filler
 - (c) Hard cream
 - (d) Polishing
6. (a) Answer the following as **True** or **False** : 1x5=5
- (i) Color bleeding can be stopped by application of filler.
 - (ii) Soft cream can be used only as a top coat.
 - (iii) Oil pull up is to effect leather.
 - (iv) PU film coated leather is as good as a synthetic material.
 - (v) Filler can be used as a base coat.
- (b) Fill in the blanks : 1x5=5
- (i) Napa leather is _____ finish.
 - (ii) _____ finish burns on excess application of heat.
 - (iii) PU finish leather can be repaired using _____ .
 - (iv) Finishing break can be repaired to some extent in protein finished leather using _____ .
 - (v) _____ improves color fastness of resin finished leather.
7. A company based in Noida has received an order 10
of 20,000 pairs of slip-on shoes to be cut in buff calf full grain burnish brown color. Lining is a drum died buff lining ins beige color and sole is of TPR. Thread used in 20/3 and 60/3 nylon beige three ply threads and there is a steel buckle on the saddle. The company supervisor has recommended a finishing system, which is given below :

Lasted upper + P1-S (brown) + heat setter (120°C) + iron at 60°C + cutting with high pressure at high speed + cutting again high speed burning wax + other lasting operations + P29 brown + cutting at high speed + polishing at low speed. The manager is somehow not convinced with the system. Evaluate the system given above and give your recommendations.

8. What is spew ? Explain the reason behind spew formation. How this problem can be overcome ? 10
